EXAMINING GROUP 2629

PATENT Customer No. 42304 Attorney Docket No. 08831.0063

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re A	Applica	ation of:					
SCHL	EGEL	, Matthew, O) Group Art Unit: 2629				
Applic	ation	No.: 10/807,604) Confirmation No. 3610				
Filed:	Marc	h 23, 2004) Examiner: LAO, Lun Yi				
For:	FOR DISP	NSISTOR BACKPLANES LIQUID CRYSTAL PLAYS COMPRISING ERENT SIZED SUBPIXELS)))				
P.O. E	3ox 14	ner for Patents I50 VA 22313-1450					
Sir:							
	<u>INFO</u>	RMATION DISCLOSURE STAT	EMENT UNDER 37 C.F.R. § 1.97(b)				
	kamine		1.97(b), Applicant brings to the attention of ttached PTO SB08A and/or SB08B form(s). is being filed:				
		within three months of the filing than a continued prosecution a	date of a national application other pplication under § 1.53(d),				
	within three months of the date of entry of the national stage as set forth in § 1.491 in an international application;						
	\boxtimes	before the mailing of a first Office action on the merits;					
		before the mailing of a first Officeror continued examination under	ce action after the filing of a request er § 1.114.				

Under the provisions of 37 C.F.R. § 1.97(b), no fee is required to file this Information Disclosure Statement.

Copies of cited foreign documents and non-patent literature are submitted concurrently with this IDS via the EFS-Web electronic filing system.

Applicant directs the Examiner's attention to the commonly-owned applications listed in the table below. These applications may have subject matter that is related to the above-referenced application. On the attached IDS SB/08A Form(s) Applicant has cited documents that have been cited in Section 102 and 103 rejections by the respective Examiner in any of the below-referenced related applications in which prosecution has occurred. In the table, the current prosecution status of the related application is provided as of the filing date of this IDS. In the table, any reference to "NF" means "Non-Final", and any reference to "OA" means "Office Action."

Application Number	Examiner	Art Unit	Attorney Docket No.	Current Status
6, 950,115	(n/a)	(n/a)	CLRV-002	Issued
09/628,122	WANG,J	2628	CLRV-001	Final Office Action Mailed
10/456,794	NGUYEN, D	2871	8831.0055	Response to NF OA Filed

Applicant has also cited the published application documents or issued patent documents for the above-listed cases. Applicant has further cited non-patent literature documents, patents and patent application publications published by one or more of the named inventors and other authors that may contain background information about the display technology that forms the context of the subject matter of the application.

Applicant respectfully requests that the Examiner consider the listed documents and indicate that they were considered by making the appropriate notations on the attached form(s).

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that the listed documents are material or constitute "prior art." If the Examiner applies any documents as prior art

against any claims in the application and Applicant determines that the cited documents do not constitute "prior art" under United States law, Applicant reserves the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

Respectfully submitted,

By: /Judith C. Bares/ Judith C. Bares Reg. No. 34,825

Dated: <u>December 8, 2006</u>

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute	for form 1449/PTO		•	Complete if Known		
	INFORMATION DISCLOSURE		Application Number	10/807,604		
	INFORMAT	TION DISC	LOSURE	Filing Date	March 23, 2004	
	STATEMENT BY APPLICANT			First Named Inventor	SCHLEGEL, Matthew O	
	(Use as mo	any sheets as nece	essary)	Art Unit	2629	
	, , ,			Examiner Name	LAO, Lun Yi	
Sheet	1	of	4	Attorney Docket Number	08831.0063	

			U.S. PATENT I	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (if known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear
		US-5,184,114	02-02-1993	Brown	
		US-5,191,451	03-02-1993	Katayama et al	
		US-5,341,153	08-23-1994	Benzschawel et al	
		US-5,459,595	10-17-1995	Ishiguro	
		US-5,646,702	07-08-1997	Akinwande et al	
		US-5,729,244	03-17-1998	Lockwood	
		US-5,754,226	05-19-1998	Yamada et al	
		US-6,005,692	12-21-1999	Stahl	
		US-6,008,868	12-28-1999	Silverbrook	
		US-6,037,719	03-14-2000	Yap et al	
		US-6,144,352	11-07-2000	Matsuda et al	
		US-6,147,664	11-14-2000	Hansen	
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		US-6,262,710 B1	07-17-2001	Smith	
		US-6,486,923 B1	11-26-2002	Maeshima et al	
		US-6,628,068 B1	09-30-2003	Rorison at al	
		US-2002/0158997 A1	10-31-2002	Fukami et al	
		US-2003/0218618 A1	11-27-2003	Phan	

	FOREIGN PATENT DOCUMENTS						
Examiner	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines,		
Initials*	No.1	-	Date	Applicant of Cited	Where Relevant Passages	т6	
			MM-DD-YYYY	Documents	Or Relevant Figures	1	
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)			Appear		
		WO 00/42762	07-20-2000	Betrisey et al			

Examiner	Date	
Signature	Considered	

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 2213-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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	DIEGDIA	CION DIGG	COLUDI	-	Application N	Jumber	10/807,604
	INFORMAT	TION DISC	LOSUKI	E	Filing Date		March 23, 2004
	STATEME	NT BY APP	LICAN	Γ	First Named	nventor	SCHLEGEL, Matthew O
	(Use as mo	iny sheets as nece	essary)		Art Unit		2629
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Sheet	2	of	4		Attorney Doc	ket Number	08831.0063

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		US-6,950,115 B2	09-27-2005	Brown Elliott	
		US-2004/0046714 A1	03-11-2004	Brown Elliott	
		US-2004/0246393 A1	12-09-2004	Elliott et al	
		US-5,398,066	03-14-1995	Martinez-Uriegas et al	
		US-6,278,434 B1	08-21-2001	Hill et al	
		US-6,360,023 B1	03-19-2002	Betrisey et al	
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		US-6,738,526 B1	05-18-2004	Betrisey et al	
		US-6,937,217 B2	08-30-2005	Klompenhouwer et at	
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		US-2001/0048764 A1	12-6-2001	Betrisey et al	

		FOR	EIGN PATENT DO	OCUMENTS		
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Sheet	3	of	4	Attorney Docket Number	08831.0063	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
		Betrisey, C., et al., "Displaced Filtering for Patterned Displays, SID Symp. Digest 1999, pgs 296-299	
		Brown Elliott, C., "Active Matrix Display", IDMC 2000, 185-189, 8/2000.	
		Brown Elliott, C., "Color Subpixel Rendering Projectors and Flat Panel Displays," SMPTE, Feb 27-Mar 1, 2003, Seattle, WA pp 1-4	
		Brown Elliott, C, "Co-Optimization of Color AMLCD Subpixel Architecture and Rendering Algorithms," SID 2002 Proceedings Paper, May 30,2002 pp 172-175	
		Brown Elliott, C, " Development of the PenTile Matrix™ Color AMLCD Subpixel Architecture and Rendering Algorithms", SID 2003, Journal Article	
		Brown Elliott, C, "New Pixel Layout for PenTile Matrix™ Architecture", IDMC 2002, pp 115-117	
		Brown Elliott, C, "Reducing Pixel Count Without Reducing Image Quality", Information Display 12/99, Vol 1, pp 22-25	
		Credelle, Thomas, "P-00: MTF of High-Resolution PenTile Matrix Displays", Eurodisplay 02 Digest, 2002 Pages 1-4	
		Klompenhouwer, Michiel, "Subpixel Image Scaling for Color Matrix Displays, SID Symp. Digest, 05/02, pp 176-179	
		Michiel A. Klompenhouwer, Gerard de Haan, Subpixel image scaling for color matrix displays, Journal of the Society for Information Display, Volume 11, Issue 1, March 2003, pp. 99-108	
		1	\leftarrow

Examiner	Date	
Signature	Considered	

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				Filing Date	March 23, 2004	
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				Art Unit	2629	
	(Use as many s	heets as	s necessary)	Examiner Name	LAO, Lun Yi	
Sheet	4	of	4	Attorney Docket Number	08831.0063	

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Addressing, IEEE ICIP 2002, Vol 1, pp 625-628

Conf on Image Processing, 9/2003, Barcelona, Spain, 4 pages

Examiner

Initials*

Cite

No.1

Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of

the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.

Messing, Dean et al., Improved Display Resolution of Subsampled Colour Images Using Subpixel

Messing, Dean et al., Subpixel Rendering on Non-Striped Colour Matrix Displays, 2003 International

	Com on image Processing, 9/2003, bardelona, Spain, 4 pages	
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